

From: "Durocher, Kristen" <kristen.durocher@aecom.com>
To: Robert Law <rlaw@demaximis.com>, Willard Potter <otto@demaximis.com>, Jo...
CC: "McCarthy, Ryan" <Ryan.McCarthy@aecom.com>, "Kretchmer, Donald" <dona...
Date: 6/10/2013 5:26 PM
Subject: Report #2 - CV CWCM High Flow #2

The second High Flow small volume CWCM sampling event is currently underway. The following email summarizes the second two days of sampling activities.

Lower Passaic River and Hackensack River

The Lower Passaic River stations (Dundee Dam, RM 10.2, RM 6.7, RM 4.2, RM 1.4 and RM 0) and the Hackensack River were sampled on a schedule developed using the predicted hydrograph from the Passaic River at Little Falls.

At all LPR stations, the peak limb samples were collected at ~13:00 on Sunday.

One team collected an equipment blank.

Field duplicates were collected at RM 1.4 and RM 4.2..

EPA splits were collected at RM 6.7 and RM 10.2

Newark Bay

The Newark Bay stations (Newark Bay North [NBN], Newark Bay South [NBS], Newark Bay East [NBE], Newark Bay Northeast [NNE], and Newark Bay Northwest [NNW]) were sampled on a schedule developed using the predicted hydrograph from the Passaic River at Little Falls with a correction for delay based on flows and tide stage, consistent with the field modification submitted in May. Moffat and Nichol estimated a 23 hour delay in sampling for the Bay stations.

Louis Berger was notified of the sampling, and will split samples on the falling limb at NBS and NBN.

The peak limb samples were collected at ~12:00 Monday.

One team collected an MS/MSD at Newark Bay North.

Sampling was conducted during high tide (~10:20) on the Arthur Kill and Kill van Kull. During the early afternoon, the east wind increased and the wave height in the Bay increased to 4-6 ft. All vessels sampling in the Bay itself for peak hydrograph returned to the dock. The vessels for sampling in the Kills were at the dock and the OSI captains discussed the conditions with AECOM. With the direction of the wind, and a USGS small craft advisory going into effect in the evening, OSI consulted with AECOM, and AECOM informed dmi of the weather conditions and requested a stand down for safety. Dmi discussed with EPA, and dmi provided EPA with notification of a Force Majeure. AECOM can sample the low tide samples on the Arthur Kill and Kill van Kull during the falling limb, if EPA requests.

Hydrograph

On Sunday morning, the updated hydrograph forecast for the river at Little Falls was extended to include no defined peak, but a slight dip in flow Monday, followed by another increase on Tuesday due to 0.5" of rain forecast for Monday.

By Sunday night, the total rainfall prediction had increased to more than 1" of rain.

Planned Activities

The falling limb hydrograph sampling was discussed on Monday. AECOM will monitor the river flows and discuss with the modeling team when the flows have ceded. Currently, AECOM is planning to remobilize on Sunday night (June 16th) and sample the falling limb on the LPRSA stations on Monday (June 17th) and Newark Bay on Tuesday (June 18th).

Kristen Durocher
Technical Specialist, Contaminated Sediments
Environment
D 603.581.6608 M 603.581.6608
kristen.durocher@aecom.com

AECOM
32 Eastside Rd, North Woodstock, New Hampshire 03262
www.aecom.com